

WL K \$1\$66

Outdoor Housing

imagine the possibilities

Thank you for purchasing this Samsung product.
To receive more complete service, please
register your product at

www.samsung.com/global/register



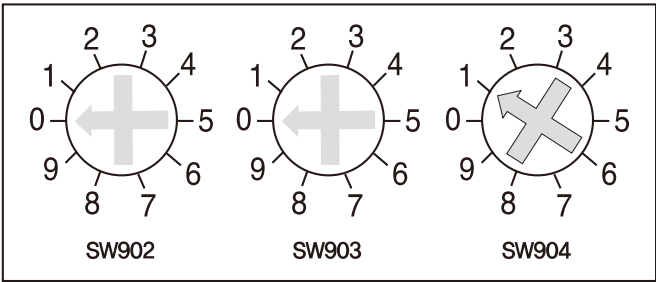
Overview

The Outdoor Housing (SHG-222) is a Housing used to install the SMARTDOME CAMERA (SCC-C6433/6435) on an outdoor wall or ceiling.

Initial setting

Work with the following steps.

For the Address Setup of Outdoor Housing, use “SW902”, “SW903”, and “SW904”. You can set the address from 0 to 255. Set up the address digit for 100 with “SW902”, for 10 with “SW903”, for 1 with “SW904”. For example, if the camera address is “1”, you can setup as follows.



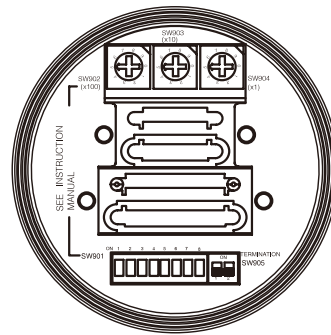
WIXXMRK\$SQQYRMEXMR\$TVSXSGSP

Use number 1~4 PIN of SW901 to set communication Protocol.

Comp \ PIN	PIN1	PIN2	PIN3	PIN4
A	OFF	OFF	OFF	OFF
B	ON	OFF	OFF	OFF
C	OFF	ON	OFF	OFF
D	ON	ON	OFF	OFF
E	OFF	OFF	ON	OFF
F	ON	OFF	ON	OFF
G	OFF	ON	ON	OFF
H	ON	ON	ON	OFF
I	OFF	OFF	OFF	ON
J	ON	OFF	OFF	ON
K	OFF	ON	OFF	ON
L	ON	ON	OFF	ON
M	OFF	OFF	ON	ON
N	ON	OFF	ON	ON
O	OFF	ON	ON	ON
P	ON	ON	ON	ON

A : SAMSUNG HALF

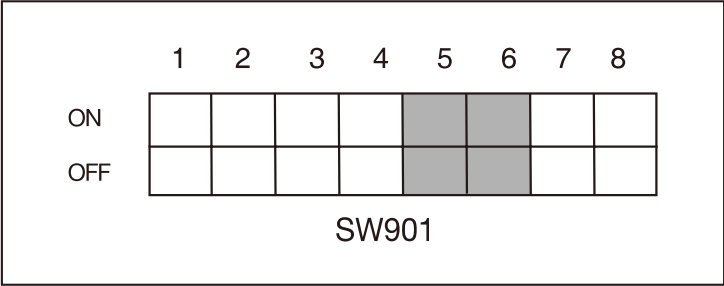
B : SAMSUNG FULL



<Top side of the Outdoor Housing>

FEYH\$/EXI\$WIXXR K

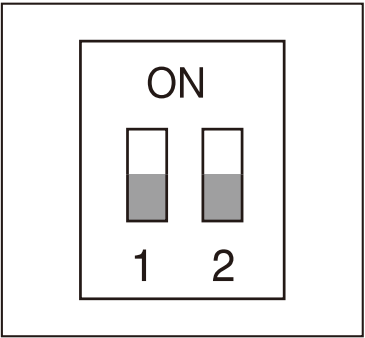
Use PIN 5 and 6 of SW901.



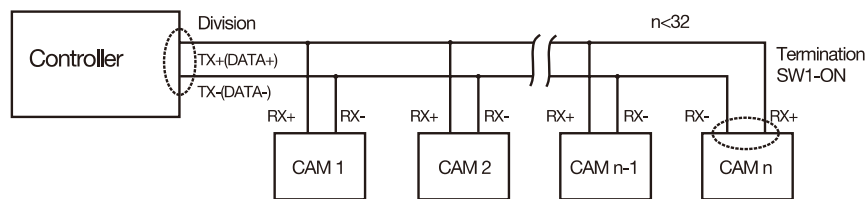
BAUD RATE	PIN 5	PIN 6
4800 BPS	ON	ON
9600 BPS	OFF	ON
19200 BPS	ON	OFF
38400 BPS	OFF	OFF

The factory default setting is set to 9600BPS.

WIXXR K\$/W1866E3VW18<9\$XIVQ MREXMR

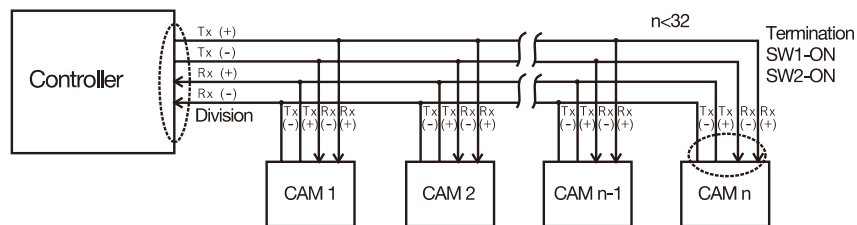


As it is shown in the structure map, when Controller and RS-422A/RS-485 is connected, it should be terminated according to the Cable feature of impedance on the each end of the transmitting line to transfer the signals in long distance by controlling the reflection of the signals to the lowest.



<RS-485 Half Duplex Organization>

 Termination: using numbers 1 and 2 PIN, turn to ON and it will be terminated.

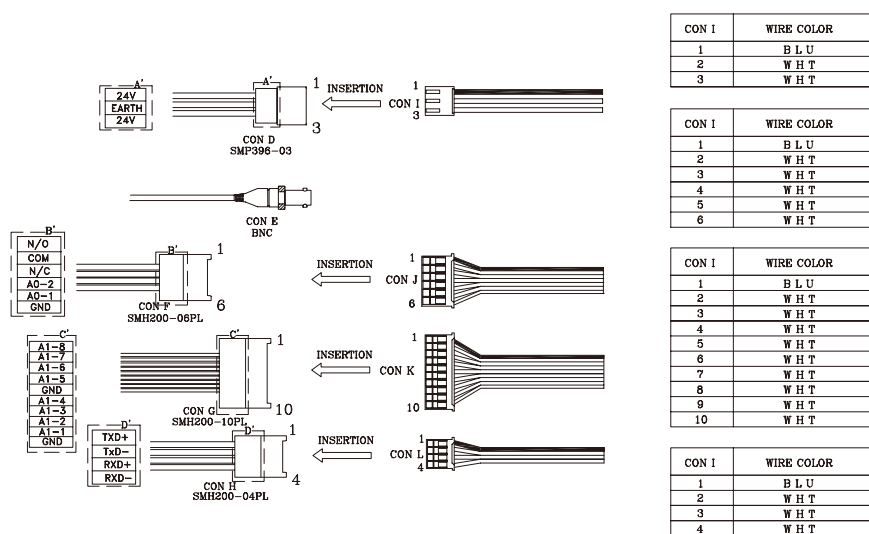


<RS-422A/RS-485 Full Duplex Organization>

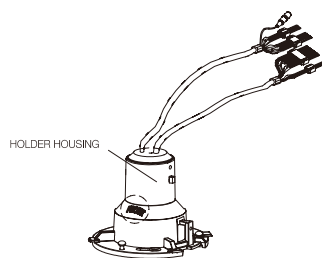
 A communication error may occur if you connect multiple cameras that are assigned the same address in the network.

Preparing the cable to connect to the housing

See the wiring diagram of the Holder Housing and prepare cables necessary.



<Wiring Diagram of the Holder Housing>



<Holder Housing>

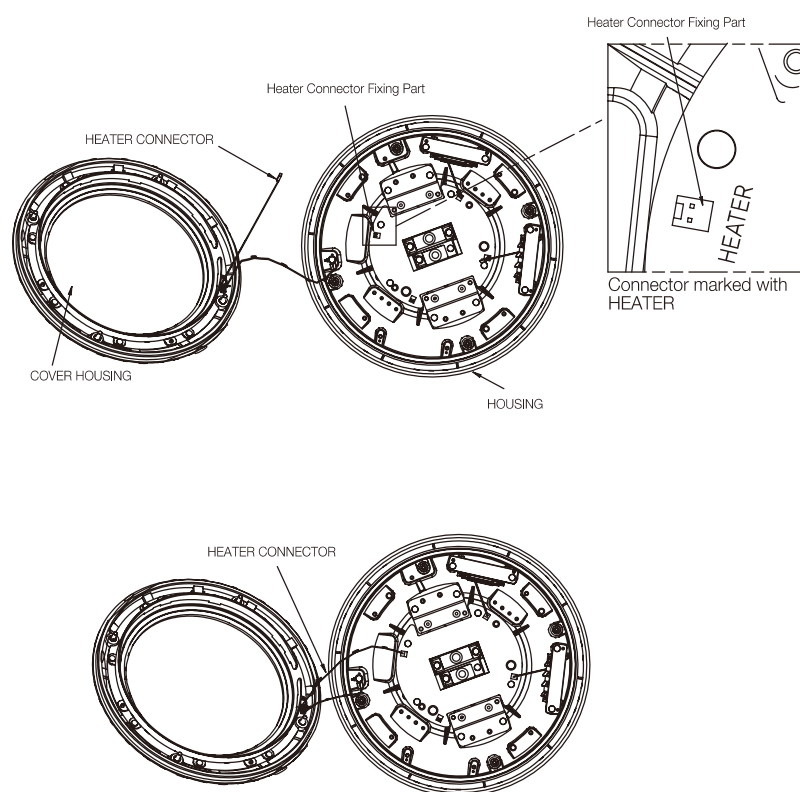
SHG-222_5

Installation

1. Select an installation spot which can endure more than 4 times of the product weight.

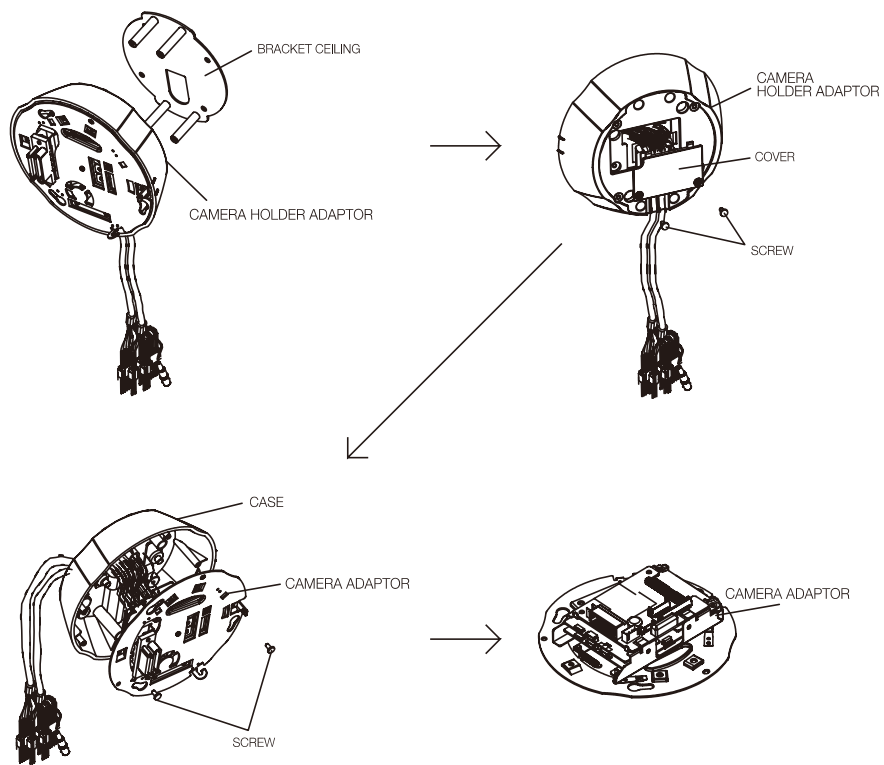
2. Install OUTDOOR HOUSING using the provided adaptor according to the place for installation.
(Install the Adapter below according to the installation guide of each product.)
 - ❶ CEILING MOUNT ADAPTOR(SADT-100CM) : For installation on a ceiling.
 - ❷ WALL MOUNT ADAPTOR(SADT-103WM) : For direct installation on a wall.
 - ❸ POLE MOUNT ADAPTOR(SADT-100PM) : For installation on a cylindrical pole.
 - The Wall Mounted Adaptor (SADT-103WM) is also used in conjunction with the Pole Mounted Adaptor.
 - ❹ Corner Mount Adaptor (SADT-110CM) : It is used when the camera is installed on a corner of the wall.
 - The Wall Mounted Adaptor (SADT-103WM) is also used in conjunction with the Pole Mounted Adaptor.

3. In the next step, connect the Heater Connector of the Cover Housing to the Heater Connector Fixing Part of the Heater B/D.

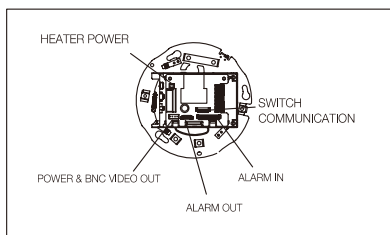
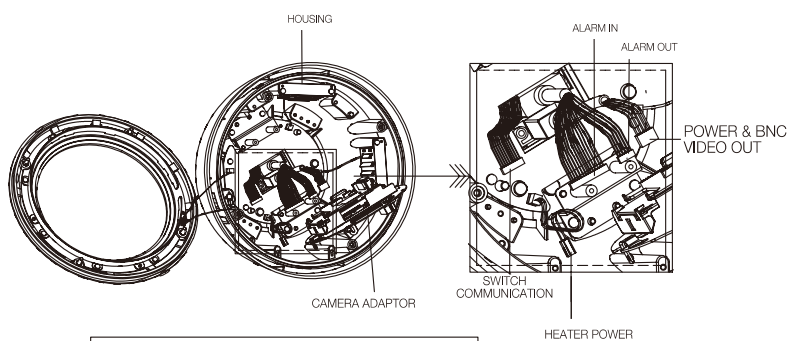


SHG-222_7

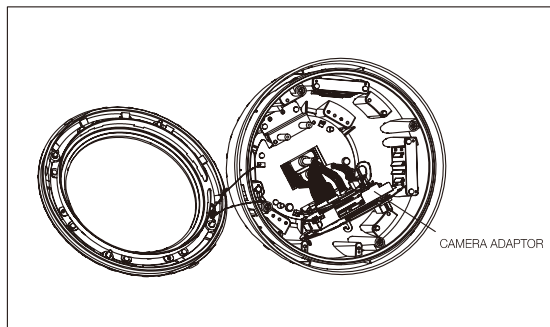
4. Prepare the Camera Holder Adapter for the Camera to be installed.
First, detach the Bracket Ceiling part that is inserted in the Camera Holder Adapter.
Loosen the 2 Screws from the Camera Holder Adapter to remove the Cover part.
Finally, loosen the 2 screws to remove the Case while disconnecting the cables.
Repeat the steps above to prepare the Camera Adaptor part.



5. Connect the POWER & BNC VIDEO OUT, ALARM IN, ALARM OUT, HEATER POWER and SWITCH COMMUNICATION cables inside the Housing to the corresponding connectors of the Camera Adaptor.
(The recommended connection order is as follows: 1. "POWER & BNC VIDEO OUT" → 2. "ALARM OUT" → 3. "ALARM IN" → 4. "SWITCH COMMUNICATION" → 5. "HEATER POWER".)

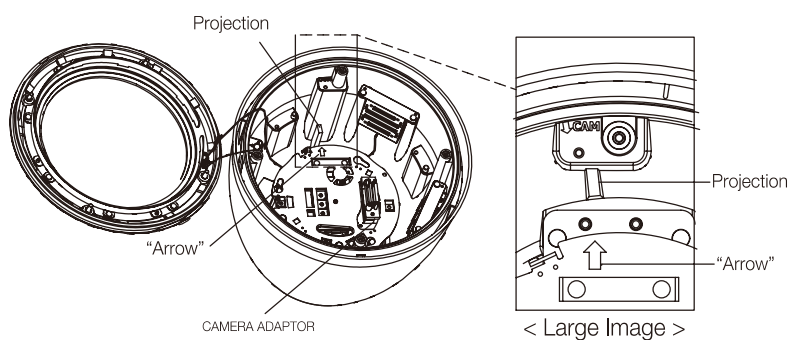
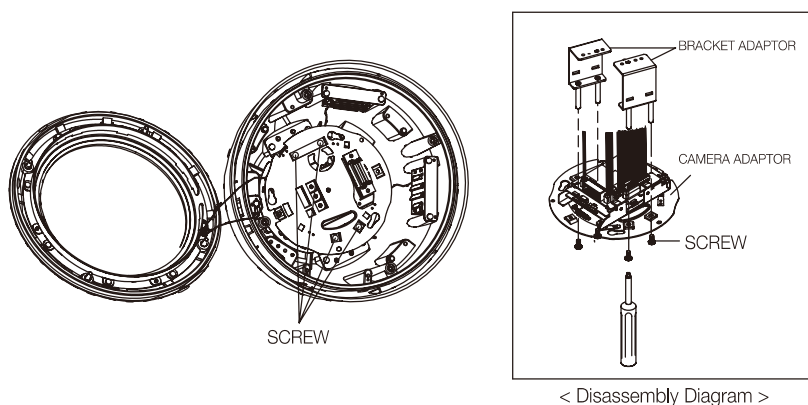


<Camera Adapter Connector Diagram>



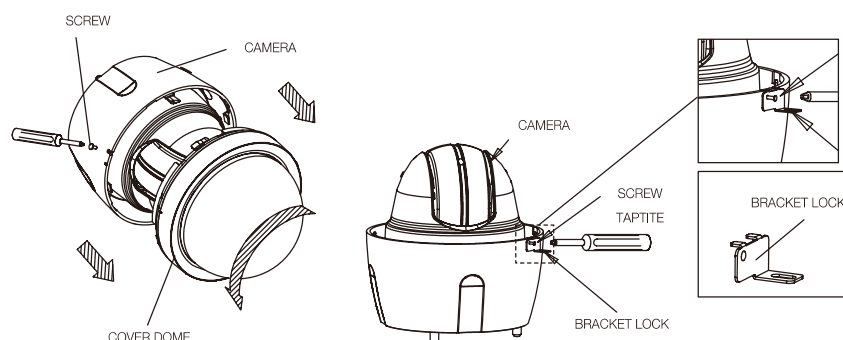
<Completion of Cable Connection>

6. Tidy the cables up and fasten the Camera Adapter to the Bracket Adapter using the 4 screws (M4xL8, included in camera product). Ensure that the Arrow direction of the Camera Adaptor faces the Projection portion of the Housing before inserting the Camera Adaptor into the Housing.



7. Prepare the Camera main body for the camera to be installed, and install the Bracket Lock onto the Camera as follows.

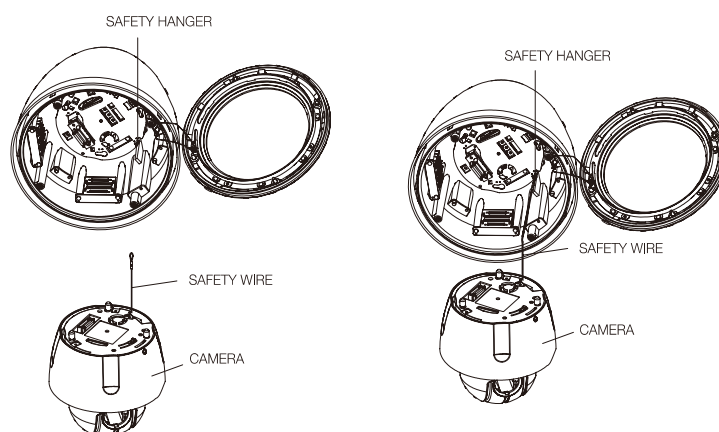
- ① Loosen the screw on the side of the camera, turn the Cover Dome counter clockwise by approximately 15 degrees and then pull it up from the main body to remove the Cover Dome.
- ② Fix the Bracket Lock (fitting) with the Camera using the screw (M3xL6, fitting) as described in the figure.



8. Hook the Safety Wire on the Camera to the Safety Rack of the Camera Adapter.



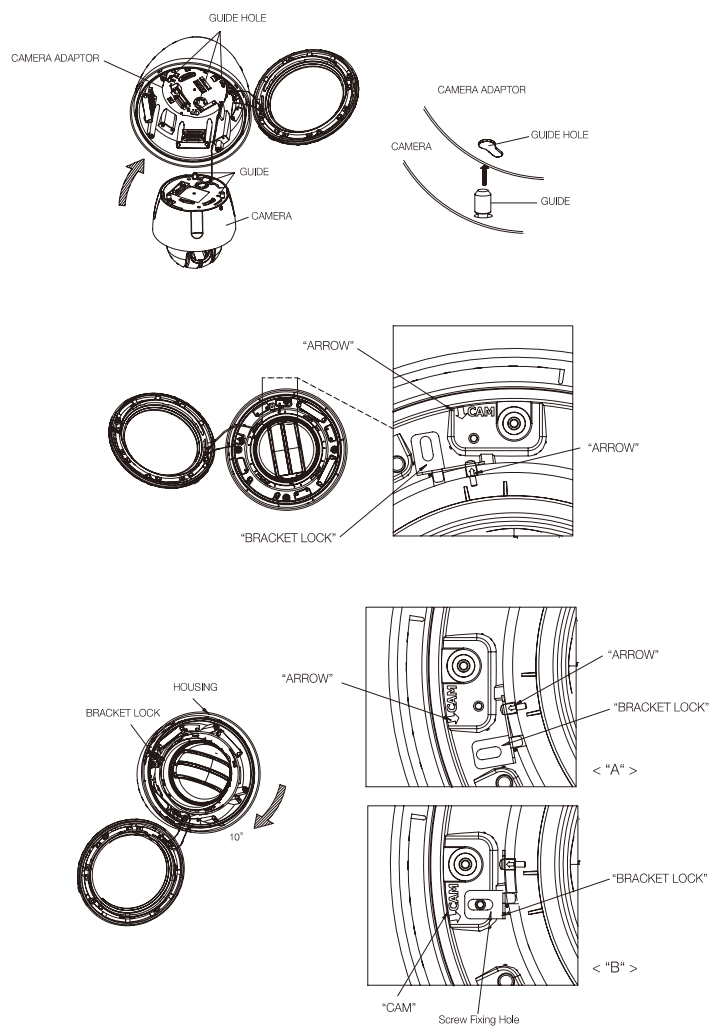
During installation or detachment, to avoid safety accident and camera damage due to the fall, make sure the safety wire is secured to the hook.



SHG-222_11

9. Insert the Camera into the Housing so that the 3 Guides of the Camera Adaptor fit into the corresponding Guide Holes of the Camera Adaptor. Align the Arrow mark on the Bracket Lock with the Arrow direction next to the CAM label on the Housing and insert the Camera into the Housing.
Then, turn the Camera clockwise by approximately 10 degrees.

 Check if the Bracket Lock is positioned from A to B as shown in the figure below.



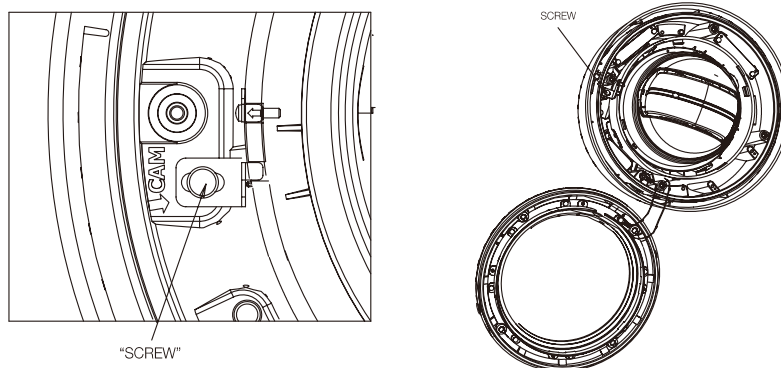
12_SHG-222

10. Fasten the Bracket Lock with the Housing using the screw (M3xL6, fitting).



CAUTION

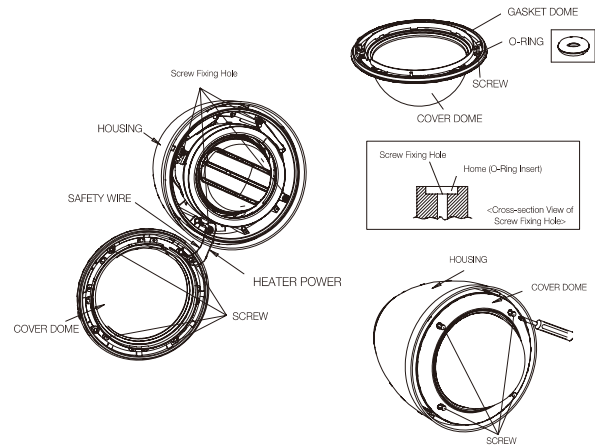
The Bracket Lock must be tightened up with screws.
If the Bracket Lock is not fastened, the Camera may be loose from the Housing, causing damage to the Camera.



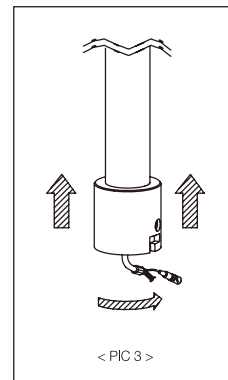
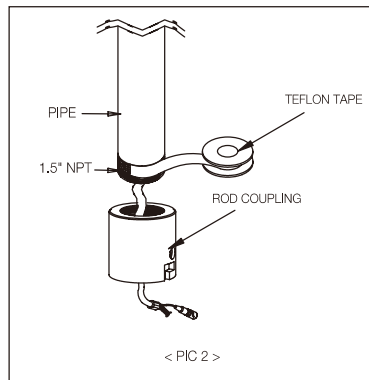
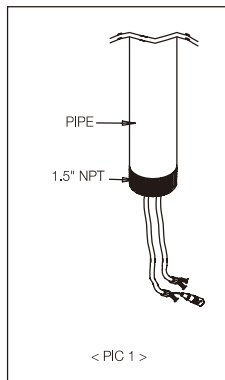
11. Fit the 4 screws on the Cover Dome into the 4 screw holes of the Housing before securing the Cover Dome to the Housing.

Please read and observe the following assembly instructions.

- ❶ Tidy up the Safety Wire and Heater Power cables into the Housing carefully so that they do not interrupt camera operation.
- ❷ Make sure not to let the Gasket Dome part loose from the Cover Dome part.
(If the Gasket Dome is detached, the product is not properly waterproof.)
- ❸ Make sure not to let the O-Ring loose from the screws on the Cover Dome.
In addition, while you are working on the Housing, make sure to insert the O-Ring into the grooves around the Screw Holes of the Housing.
(If the O-Ring is loose, the product is not properly waterproof.)



- 12.** As in the <PIC 1> below, pull out the cables in connection with the camera through the pipe into which the ROD COUPLING is installed.
Refer to <PIC 2> and wrap the screw part of the Pipe with the Teflon Tape. In the next step, insert the Cables through the center of the ROD COUPLING and pull them out to the opposite side.
Fix the ROD COUPLING to the end of the processed Pipe with a 1.5" NPT screw thread by turning it clockwise, as described in the <PIC 3>.

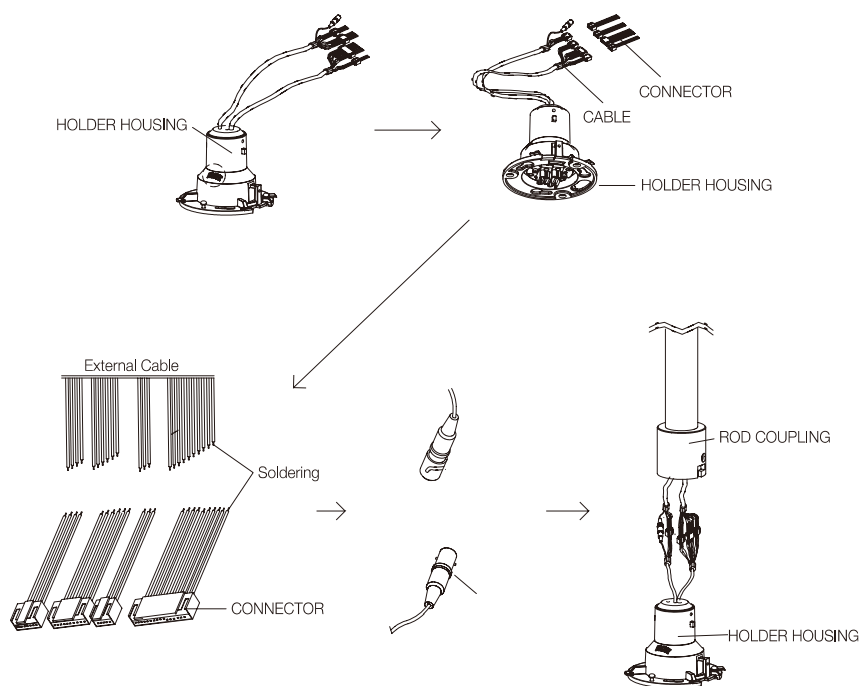


14_SHG-222

13. Prepare the Holder Housing part.

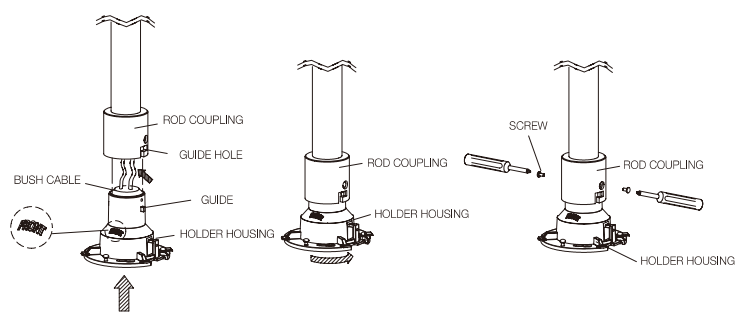
Refer to the wiring diagram below to connect the external cables and the cables of the Holder Housing.

- A. Remove one of the connectors connected to the cable end of the Holder Housing.
- B. Peel off the coating of the cable and connect it to the external cable using soldering/ (See page 5 in the installation guide to connect the cables.)
- C. Use an insulation tape to wrap up the soldering portion of two cables.
- D. Connect the Connector to the Holder Housing again.
- E. Repeat the above steps to connect all of the 4 Connectors to the appropriate external cables.
- F. In the last step, connect the BNC jack.



SHG-222_15

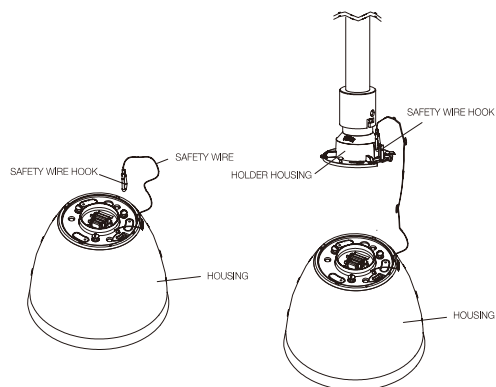
- 14.** Push the connected cables into the inside of the Rod Coupling.
 At the same time, insert the Holder Housing into the Rod Coupling while fitting the Guide of the Holder Housing into the Guide Hole of the Rod Coupling.
 Then, turn the Holder Housing clockwise by approximately 18 degrees.
 Finally, secure the Holder Housing to the Rod Coupling using the 2 Screws (M4xL8, fitting).
- Install the Holder Housing so that the FRONT label faces the front of the camera to be installed.
 - Make sure that the Bush Cable should not be loose from the Holder Housing.
 (If the Bush Cable is not secured firmly, the product is not properly waterproof.)



- 15.** Hook up the Safety Wire Ring at the end of the Safety Wire on the Housing to the Safe Wire Rack of the Holder Housing.

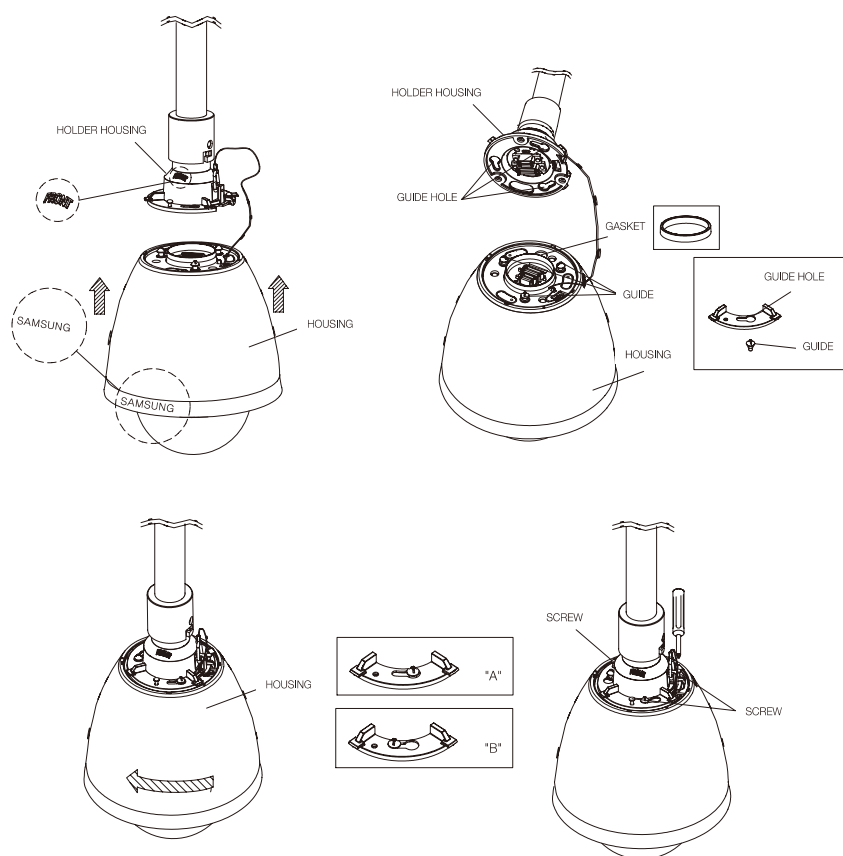


During installation or detachment, to avoid safety accident and 'HOUSING' damage due to the fall, make sure the safety is secured to the 'HOLDER HOUSING'.



16_SHG-222

- 16.** Align the SAMSUNG logo on the Housing and the FRONT label of the Holder Housing so that they face the same direction, and insert the 3 Guides of the Housing into the Guide Hole of the Holder Housing. Turn the Housing counter clockwise by approximately 20 degrees. Finally, fasten the 3 screws (M4xL10, fitting).
- Make sure not to let the Gasket loose from the Housing.
(If the Gasket is loose, the product is not properly waterproof.)



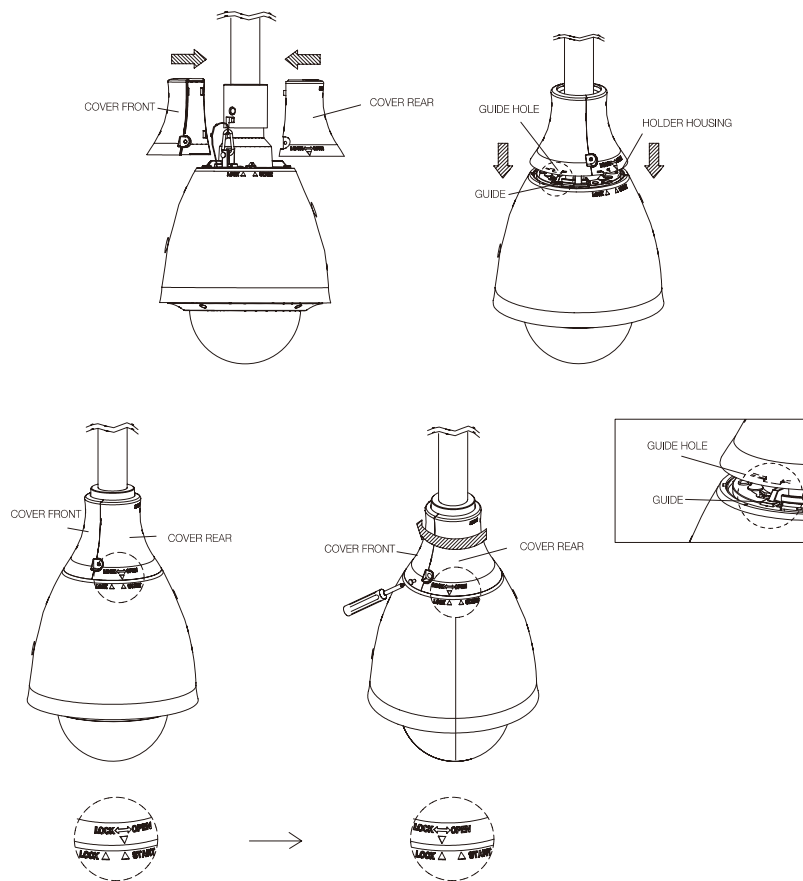
SHG-222_17

17. Couple the Cover Front with the Cover Rear.

In the next step, align the Arrow mark on the Cover Rear to face the START label on the Housing.

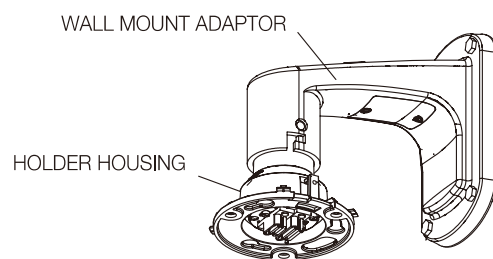
Install these two parts into the Housing while aligning the Guide Hole of these parts with the Guide of the Holder Housing.

Finally, turn these two parts so that the arrow mark on the Cover Rear is aligned with the LOCK label of the Housing. Tighten up the screw (M4xL8, fitting) as shown in the figure.

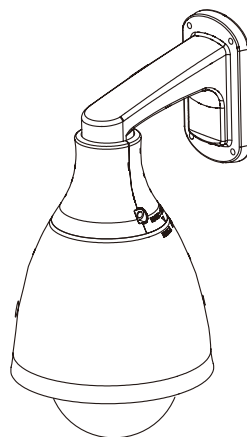


18_SHG-222

- ※ Follow the steps below to fasten the Outdoor Housing (SHG-221/222) with the Wall Mount Adaptor (SADT-103WM).
- A. Refer to the Installation Guide of the Wall Mount Adaptor (SADT-103WM) to secure the Holder Housing to the Wall Mount Adaptor as shown in PIC 1.
 - B. Then, repeat Step 15 to Step 17 of this Installation Guide until the assembly is completed as shown in PIC 2.



< PIC 1 >

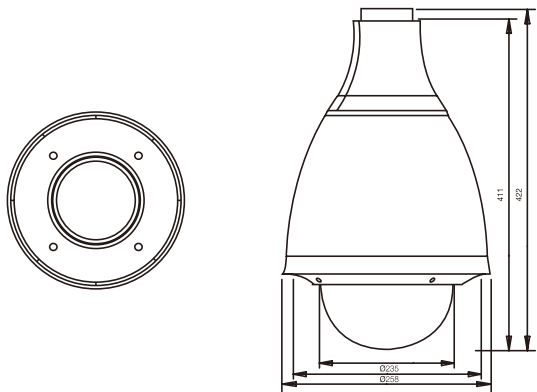


< PIC 2 >

SHG-222_19

Product Specification

Size: Ø258 X H422
Weight: 3,765g
Operation Temperature: -40°C ~ 50°C
Operation Humidity: 0~100%
FAN Operation Temperature: Unlimited
HEATER Operation Temperature: Below 4°C



Accessories

Screw (M3xL6) 2 (For Bracket Lock Connection)
Screw (M4xL8, SUS) 3
HOLDER HOUSING 1
ROD COUPLING 1
COVER FRONT 1
COVER REAR 1
BRACKET LOCK 1
MANUAL 1

20_SHG-222



Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.